Field Trip No. 30. 24/8/52 - 13/9/52

24 - 8 - 52

J. H. Calaby & D. McIntosh.

Mundaring Weir.

Dry sclerophyll, Jarrah and Marri. Understratum of sclerophyllous shrubs. Very green at present

2 m W.S.W of Wooroloo

Dry sclerophyll as above.

Plenty of understratum. Nymphs of Coryphistes & Goniaea, etc. Eumastacids in smaller shrubs. Very few.

25 - 8 - 52

Cnr. Hill St & Terrace Drive, Perth

Locusta, Austracris, Chortoicetes.

Rank, dense couch grass with buffalo grass, some long green Bromus, etc. Tall bamboos in clumps and all exotic vines, etc.

Left Perth 8 AM.

31-8-52 - 3 m. S. Coolup.

E. calophylla - Jarrah dry sclerophyll forest. Large melaleucas (in damper areas) and banksias, Kingia Xanthorrhoea etc. Understratum of smaller shrubs, etc. very much grazed by cattle. Many nymphs of Eumastacids, last instar Chorticetes, etc. Eumastacids not plentiful. Country very wet and swampy. Wet day.

1-9-52

Drakes Brook Weir.

- Dry Sclerophyll. Marri & Jarrah. Short understratum but open grassy patches on weir bank, etc.

Bunbury (beach)

- patch of couch grass on dune

3 m E SE Donnybrook.

- Dry sclerophyll - Marri + Jarrah. Dense understratum Acacias, Hakeas, myrtac + other proteaceous shrubs, Xanthorrhoea, etc.

4-9-52

Walpole

Sandy wet soil with fairly dense cover of Sedges, tough grasses, short heathy shrubs, etc. Higher shrubs and Banksia trees in background.

11 m E. of Nornalup.

Same as for Walpole Psedna nana (j.)

Emu Point (on Oyster Bay, abt 5 miles ENE of Albany)

Psedna nana (j.)

An old flattish dune which has been burned over (presumably last summer). However sedges and grasses and small shrubs have regenerated to a large extent. Banksia trees on top of dune. Nymphs of large blue-grey Corypholites (not coll.)

6 m. N. Bindoon 10-9-52

Dry sclerophyll forest - E. calophylla and Jarrah with a fair understratum of small sclerophyllous shrubs.

6 m. N. Watheroo. 11-9-52

Hard stony ridge with some clumps of stunted mallee and plentiful flowering sclerophyll shrubs, and dwarf Casuarinas. Few Buforania nymphs

11 m. W. Mingenew. 11-9-52

Light-coloured-sandy rise with fair number of small sclerophyllous flowering shrubs, sedge-like plants, etc. Only trees are Nuytsia and Banksia.

3 m. W. Eradu 12-9-52.

light-coloured very sandy soil with low sclerophyllous shrubs in flower. Some tussocky grass and big sedge-like plants. No Eucalypts but some trees of Banksia and Nuytsia.

6 m. W. Mullewa 12-9-52

Dark red soil with normal-sized mallee trees and sclerophyllous shrubs of various sorts. Tussocky grasses and some small green annual grasses. Nymphs of Gomiaea

12-9-52

Mullewa. 1 A. cruciata and another Acridid in bitumenised street. Some A. cruciata in patches of barley grass in streets.

~~29 m. S. Mullewa. 12-9-52~~

On southern end of Mullewa extending for about a mile, a loose swarm of A. cruciata adults. Density probably no greater than 2 per sq. yd. at maximum.

. A similar swarm about 3 miles further South.

No migratory movement in either swarm.

29 m. S. Mullewa. 12-9-52

Hard red stony soil with patches of Eucalypt trees, big Acacias and other shrubs. Drying annual grasses and areas of a small sedge. Nymphs of Gromacea.

Morawa. 12-9-52.

Tall Acacias and other shrubs. Some mallee and sedge-like tussocks. Reddish sandy soil. One nymph Buforania seen.

2nd. Site. 13-9-52

Eucalypt trees on red-grey soil, And tall shrubs. Some undergrowth and dried grass but lot of bare soil. nymphs of Goniaea plus a ~~few~~ ~~couple~~ few of adult males (only emerged last day or two).

A ~~number of~~ ♂♂ and ♀♀ of Coryphistoid new genus (same as collected near Kalgoorlie & Southern Cross in 1947)

9 m. S.E. Morowa 13-9-52

Same ecol. conditions as 2nd. site above. more Coryphistoid new genus. Goniaea nymphs plus 1 recently emerged adult ♂.

Coryphistoid n. gen.

This Acridid is found around base of Eucalypts which have an accumulation of dried leaves and litter. It tends to be found in "colonies." i.e. They are not common but if one is found under a tree it is usual for several more to be found there.

I have found this to be so at the following localities:

Morawa 14-9-52.

Found under two trees only.

Under 1st tree. 3 ♀♀, 5 ♂♂, about 8 nymphs. (no nymphs collected)

Under 2nd tree.

1 ♀, 3 ♂♂, many nymphs (no nymphs collected)

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9 m. S.E. Morawa. 14-9-52.

1 ♀ under one tree, 1 ♀, 1 ♂ under next tree plus several nymphs (no nymphs collected)

On a previous trip, nymphs of this new genus were seen (but not collected) at the following localities.

23 m. NW. Balladonia. 7-8-52.

1 nymph seen. (Careful search failed to reveal any others)

6 m N. Norseman 8-8-52.

Two "colonies" seen. About 8 nymphs under one close clump of Euc. saplings with a lot of litter. Another colony of similar size about 100 yards away in a similar situation.

9 m W. Coolgardie 9-8-52.

Small "colony" of about 3 nymphs in litter under a mallee tree.

The animals behave like Coryphistes when disturbed. They hop off but on landing sit among the litter and on twigs with their antennae close together and pointed forward co-axially with the body. The hind femora are pressed close to the body and are folded and flattened with their axes in the same plane as the body axis. They also assume the cryptic attitude without hopping off on the approach of danger.

Rough sketch showing cryptic attitude taken by apterous Coryphistoid n. gen. when "alarmed."